

INCH-POUND

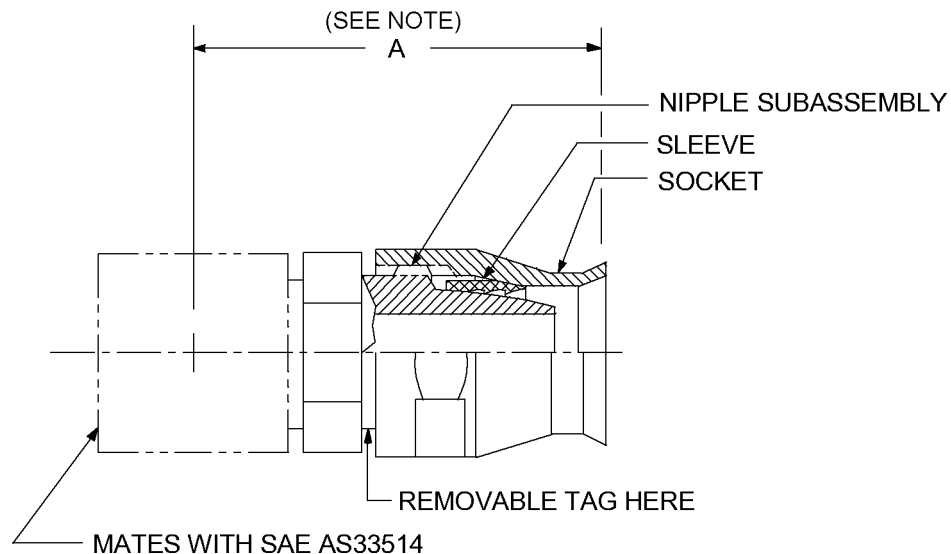
MS27381B
25 September 2003
SUPERSEDING
MS27381A
30 JUNE 1972

DETAIL SPECIFICATION SHEET

ADAPTER ASSEMBLY, FLARELESS, STRAIGHT, TUBE TO HOSE - WITH SWIVEL NUT

This specification is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the product described herein
shall consist of this specification and MIL-DTL-27272.



NOTES: Dimension A is measured between the hose end of the socket and the free end of the radius MS8000 series seal insert at its centerline when the socket is assembled on the nipple subassembly (see MIL-DTL-25579/1 for conversion if NAS 1760 style ends are used).

FIGURE 1. Adapter assembly illustration.

MS27381B

REQUIREMENTS

Intended use. This adapter is intended for use with hose conforming to MIL-DTL-27267.

Dimensions. Dimensions are in inches.

Material. N suffix C, corrosion-resistant steel.

No PIN suffix. Combination of aluminum alloy and corrosion-resistant steel.

See applicable specification sheet and MIL-DTL-25579 for material of other components identified in table I for their material requirements.

Identification of product. The Part or Identifying Number (PIN) and the manufacturer PIN and Government Entity (CAGE) Code shall be marked on a removable tag securely attached to the adapter. The PIN for this assembly shall be as specified in table I (e.g., MS27381-4C).

Order of precedence. This specification takes precedence over the documents referenced herein. Unless otherwise specified, referenced documents shall be of the issue in effect on the date of solicitation.

Adapter assembly illustration. See figure 1.

Flareless fitting, hose connector design. Use MIL-DTL-25579/1 for application of NAS 1760 design.

TABLE I. Adapter assembly composition.

PIN 1/	Nipple subassembly PIN	Sleeve PIN	Socket PIN	A 2/ max
MS27381	MS27386	MS27070	MS27069	
-3/-4C 3/	-3/-4C	-4C	-4C	1.55
-4C	-4C			1.50
-5C	-5C	-5C	-5C	1.57
-6C	-6C	-6C	-6C	1.68
-8C	-8C	-8C	-8C	1.92
-8	-8			
-10C	-10C	-10C	-10C	2.14
-10	-10			
-12C	-12C	-12C	-12C	2.21
-12	-12			
-16C	-16C	-16C	-16C	2.42
-16	-16			
-20C	-20C	-20C	-20C	2.79
-20	-20			
-24C	-24C	-24C	-24C	3.11
-24	-24			

1/ If required, lockwire holes to be drilled in accordance with SAE AS1043 and suffix L added to the PIN (e.g., MS27381-8CL).

2/ Dimension A is measured between the hose end of the socket and the free end of the radius MS8000 series seal insert at its centerline when the socket is assembled on the nipple subassembly (see MIL-DTL-25579/1 for conversion if NAS 1760 style ends are used).

3/ Swivel nut and sealing surface of this nipple subassembly shall mate with SAE AS33514-3 fitting. The remaining portion of the subassembly shall mate with M27267-4 hose.

MS27381B

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to complete reformatting.

CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 99
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-0868-017)

Review activities:

Army - AR, AT, MI
Navy - MC, SA, SH
Air Force - 71